

Chemist & Druggist

2 June 1973 THE NEWSWEEKLY FOR PHARMACY

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2 June Vol. 199 No. 4863

The newsweekly for pharmacy
114th year of publication

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Benn 

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

British Pharmacopœia 1973

A new BP and BPC are reviewed
on page 735

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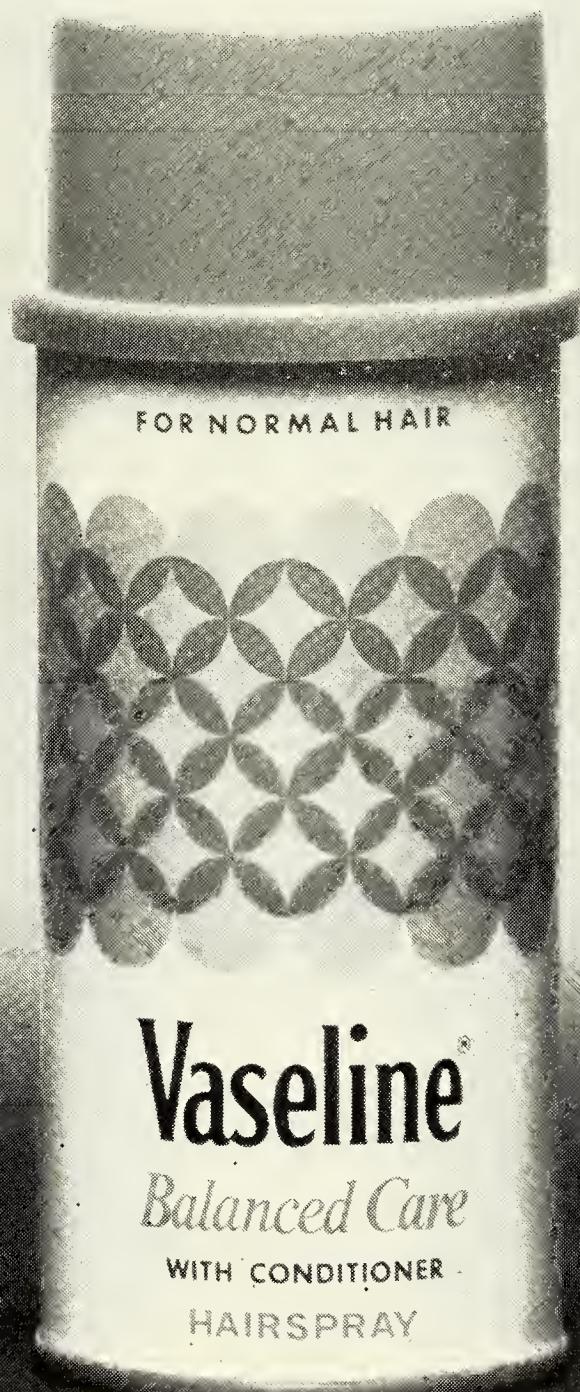


leads to another.

Now Vaseline Balanced Care® Hairspray gets the same support as shampoo; 30-second television spots, using the same money-spinning 'Girl with the Shining Hair' theme.

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Place your Vaseline Hairspray order with your wholesaler today—he'll give you another good reason why you will profit from our success.



Analgesics pack limit in general sale list

Aspirin and paracetamol preparations would be restricted to packs of 25 doses when sold outside pharmacies, if recommendations for the Medicines Act general sale list are accepted.

And under the prescription-only proposals, pharmacists would be able to supply certain products without prescription "where he has satisfied himself in his professional competence that an emergency supply is necessary."

Both lists have been circulated to interested parties and are on sale at HM Stationery Office (prices £0.21 and £0.24 respectively). Representations from organisations and individuals have been invited by the Medicines Commission, and must be submitted by September 14.

Recommendations concerning veterinary products are still awaited (see pp731-734).

PAGB reaction

The Proprietary Association of Great Britain in a statement issued on Wednesday, pointed out that the general sale list committee included no industry representation.

It goes on to say that the proposals "clearly indicate that continuing ready availability of home medicines is in the public interest and any practical problems which further study of the proposals may reveal, can be discussed with the Department of Health against this established point of view.

"There are a few obvious anomalies but we are convinced that they will be resolved before the final regulations are made.

"The prescription only list means that pharmacists may continue to sell a wide range of medicines, and it contains progressive proposals to allow pharmacists to exercise their professional judgment in cases of emergency.

"We believe that in the main these proposals will find favour with the public and the industry and that the recommendations contained in the general sale list will be seen as a broad reflection of the current situation in the UK relating to the general sale of medicines."

The PAGB does not expect any impact on the trade "for some considerable time".

Little safeguard says president

Commenting on the reports, Mr J. P. Kerr, president of the Pharmaceutical Society said: "The Society has been concerned for a long time about the ease with which anyone can go into all kinds of shops and buy big quantities of aspirin without any form of supervision. It is for this very reason that aspirin is involved in so many cases of accidental poisoning.

"To limit the number on sale at any

one time does little to reduce the element of danger. We have until September to consider our comments to the Department and we shall be studying both the general sale list and the prescription-only medicine list very closely before making our report."

Two more pharmacists for Scottish health boards

Two more pharmacists have been appointed to serve on the new health boards recently established under the National Health Service (Scotland) Act 1972.

They are Mr J. B. Grosset, FPS, Marchmount Road, Edinburgh, who will serve on the Lothians area board, and Provost A. Matheson, Newton Street, Stornoway, Isle of Lewis, who will serve on the Western Isles area board.

Letter to doctors clears diarrhoea treatments

No evidence has been found by the Committee on Safety of Medicines that the use of clioquinol in preparations for "travellers' diarrhoea" can cause subacute myelo-optic neuropathy.

In a letter sent to all doctors and dentists in the UK this week, Professor Scowen, chairman, said that the 10,000 cases of neuropathy occurring in Japan in the last decade may have been due to some other local factor acting synergistically with the drug. UK manufacturers have agreed that self medication should be limited to not more than 7.5g separated by intervals of at least four weeks, as a few cases of reversible neurotoxicity may have resulted from prolonged treatment.

The Committee also conclude that the use of local anaesthetics presents no hazards to patients taking monoamine-oxidase inhibitors unless the patients already have cardiovascular disease and are given local anaesthetics containing adrenaline. Several tricyclic drugs, however, have been shown to potentiate the pressor effects of both noradrenaline and adrenaline.

The letter goes on to say that no instances of vaginal adenocarcinoma in young women whose mothers had taken stilboestrol during pregnancy have been found in the UK. The use of the anticonvulsants phenobarbitone, primidone and phenytoin singly or in combination, in pregnancy liable to produce hare-lip, cleft-palate and other abnormalities in the offspring. The Committee feels, however, that the risk is not sufficient to justify withdrawing the anticonvulsants when they are necessary for the control of epilepsy.

Highly significant excesses of congenital abnormalities occurred in infants born to epileptic mothers according to a study carried out in Oxford, reported in last week's *British Medical Journal*. Phenytoin was found to be more likely than phenobarbitone to produce defects, but when the two drugs were taken together the effect was even more pronounced.

VAT: Late claims for PT rebate decision

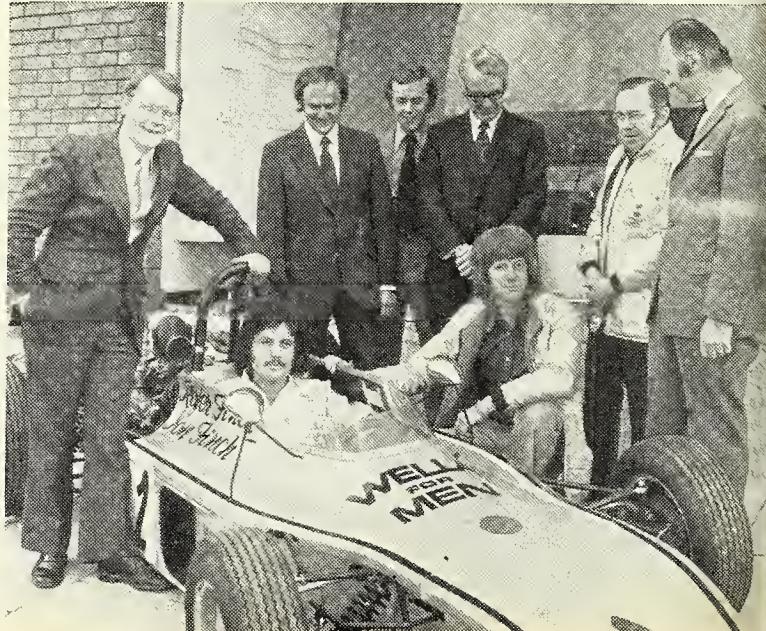
Traders who failed to meet the time limit of April 30 for submitting claims for rebate of purchase tax and revenue duty will have their belated claims considered by HM Customs and Excise.

This concession was announced in the House of Commons on May 24 by Mr Terence Higgins, Financial Secretary to the Treasury, in reply to a question.

Any registered VAT trader who has not yet made a claim but who wishes to take advantage of the concession should make his claim without delay. The claim form (VAT 420), and Notice No. 748 which sets out the conditions for the rebate, may be obtained from any local VAT office. The completed claim, with a letter explaining the reason for the delay, should be sent to the address shown at the head of the claim form.

Actor Jon Finch last week visited the Basingstoke headquarters of Wella (Gt. Britain) Ltd with his "Wella for Men" KG Mk I.

Racing Car. From Wella, left to right, are Mike Thorne, Maurice Pate, Roger Meadows, Peter Batten, Reginald Lacey, D. F. Wilson, Jon Finch (in car) and his brother, Roger (kneeling)



Receptionists' scripts attacked on television

The writing of prescriptions by doctors' receptionists was criticised in the BBC 2 programme, "Inside Medicine", on Monday evening.

A patient alleged that prescriptions were too easy to obtain at the practice she attends. "I can ring up the receptionist and describe the symptoms to her and a prescription will be put into the chemist for me. This isn't a repeat prescription, this is perhaps for something new. At no time do I speak to the doctor and there doesn't seem to be any follow up—I don't have to go and see the doctor in a few days' time just to make sure the matter has cleared up. It's just left up to me then what happens."

Mr A. Howells, a member of the Pharmaceutical Society's Council, interviewed at the NPU headquarters, said that if the receptionist does not have that prescription checked by the doctor "we are more often in difficulties than not, many times because of the close connection between the spelling of the drugs that are being prescribed today." Mr Howells gave the example of Rarical and Ronicol.

A receptionist agreed that they do write prescriptions, but said these were repeats. They were usually checked by the secretary then by the doctor who signed. "It is never, ever done by us without being checked by a doctor. Myself I wouldn't want that so be so because I wouldn't want that responsibility."

Roche's Valium colours not distinctive says Appeal judges

Three appeal judges last week dismissed an appeal by Roche Ltd and its Swiss parent company, F. Hoffman La Roche, who had sought a temporary order to stop Berk Pharmaceuticals Ltd, Godalming, from using the same colours, white or yellow, for their diazepam tablets.

Roche sell diazepam under the trade name Valium, while Berk Pharmaceuticals manufacture under licence from Roche and sell under the trade name Atensine.

Roche complained that their colours had been copied and that Berk were trying to pass off their products as those of Roche. Berk agreed that they had been copied, but said that colour coding of the same drugs helped patients.

Last October, Mr Justice Whitford refused Roche a temporary ban on the Berk tablets until trial of the main action between the companies. He held that white or yellow tablets could not be distinctive of a source of manufacture.

Last week Lord Justice Russell said



Pictured at the supper given by Glaxo (Ireland) Ltd, following the completion of the three-day post-graduate pharmaceutical course organised by the Pharmaceutical Society of Ireland, were, left to right, Mrs M. Shannon, Mr D. P. Donohoe (field sales manager, Glaxo, Ireland), Mr R. J. Semple (president, Pharmaceutical Society of Ireland), Mr D. J. O'Sullivan (sales director, Glaxo, Ireland), Professor R. J. Timoney (Dean of The Irish College of Pharmacy), Mrs Semple, Mr S. F. Watson (technical sales executive, Glaxo, Ireland), Mr D. W. Boyd (director, Irish Pharmaceutical College), and Miss M. Kearns (Glaxo, Ireland).

Valium had been sold by Roche in the UK since 1963; Berk began to market their preparation under licence in June 1972. Total sales of Valium in the UK had risen from an initial 8 million to 533 million in 1971, embodying some 6 million prescriptions by doctors. There could be no confusion between Roche and Berk tablets in the course of marketing because the packaging was quite different. The evidence did not establish that the very ordinary appearance of Roche's white and yellow tablets had led patients to attribute them to one manufacturing trade source, he added.

Lord Justice James agreed and said evidence showed quite clearly that some patients described the tablets as "little yellow" or "little white" tablets or pills.

Unless the patient had noticed the name Roche it was difficult to see what other description could be applied. It was impossible to say that Roche had proved that the get-up of the tablets was in the mind of patients a mark of distinction indicating source of manufacture.

Mr Justice Plowman agreed in dismissing the appeal with costs.

Thalidomide handed in

A hoard of 40 thalidomide tablets was among the unused medicines collected during the first week of Portsmouth's "Medicine Spring Clean" campaign. City pharmacists have also collected almost half-a-ton of other drugs, strychnine and weed-killer.

Cosmetics ride the consumer boom

1972 was a very good year in toiletries and cosmetics according to Roger Sutcliffe, author of the latest Industry Forecast in this field, from James Morrell & Associates. Spending, said Mr Sutcliffe, went up by 15 per cent in value over the previous year. The factors at work were: (1) the 1972 increase in total consumer spending of 6½ per cent in real terms (the largest annual increase for 25 years) and (2) the reduction in the two top rates of purchase tax which affected many cosmetic and toilet products.

According to the survey 1973 and 1974 will see further strong growth in general consumer spending (respectively 5 per cent and 4½ per cent is forecast), and VAT at 10 per cent instead of purchase tax at 25 per cent represents a favourable price factor for toiletries and cosmetics. Morrell's forecast two more good years with a 12 per cent rise in the value of spending on toiletries and cosmetics in 1973, and a further 11½ per cent rise in 1974.

From 1960 to 1972 the proportion of consumer spending that went on toiletries and cosmetics increased from 0.9 per cent

to 1.1 per cent. And, as incomes rise, the proportion of people's disposable income that is spent on toiletries and cosmetics tends to rise faster.

The growth in consumer spending power is therefore the major determinant in the long term.

The second factor is Government taxation policy, and here rises in the VAT rate are forecast for 1975/6 and will hit spending on toiletries and cosmetics. The forecasts for spending on toiletries and cosmetics in current prices for the next five years are as 425 million in 1972; 477 million in 1973; 531 million in 1974; 584 million in 1975; 632 million in 1976, 699 million in 1977 and 784 million in 1978.

This growth forecast implies that spending on toiletries and cosmetics will increase from an estimated 1.09 per cent of total consumer spending in 1972 to 1.32 per cent in 1978. Of the three major sectors, the prediction is that cosmetics will show the biggest gains, followed by toilet requisites and toilet paper.

Copies of the report can be obtained from: James Morrell & Associates Ltd, 91-93 Gray's Inn Road, London WC1.

Company News

Beecham's royalty income up £1.27m

Beecham Group Ltd's income from royalties continues to grow. In the year ended March 31 the amount credited from that source was £5.86m or £1.27m more than in the previous year. The total group trading profit went up to £48.5m from £41.34m from sales of £259.84m (£219.09m) taxation takes £18.66m (£16.12m).

In accordance with the dividend restraint associated with the Government's counter-inflation programme, dividend increases for 1972-73 are limited to 5 per cent over those for 1971-72. The directors therefore recommend a final dividend of 9.975 per cent net which, with its associated tax credit, is equivalent to 14.25 per cent gross. With the interim dividend of 12 per cent gross already paid, the total gross equivalent for the year is 26.25 per cent (25 per cent).

Reckitt & Colman and Labaz form joint company

Reckitt & Colman's pharmaceutical division and the French pharmaceutical company, Labaz SA, have formed a joint company to market certain Labaz products in the UK. This will be carried out through Pharmacy Products (UK) Ltd, in which Reckitt & Colman has acquired a 50 per cent interest. The joint company, which will trade under the name of Reckitt Labaz, will have as directors R. M. Overath, A. de Bruneton and C. Mosseri-Marlio, representing Labaz, and P. R. Milligan, Dr R. B. Smith and R. A. Wing, representing Reckitt & Colman.

The first product to be sold by the new company will be Epilim, a wide ranging anti-epileptic from the research laboratories of Labaz. The compound has been on sale in France under the trade name of Depakine since 1960 where it is claimed to be the leading product in this therapeutic area.

ICI trebles group profit

With group sales up by £100m at £487m in the first quarter, the group profit of Imperial Chemical Industries Ltd trebled to £63m compared with the first quarter of 1972. Group profit after tax and grants was £39m (against £14m).

A "breakdown" of the sales shows that the home market took £220m, overseas £267m and UK exports £93m.

Pharmaceutical unit in Tamil Nadu

Tamil Nadu Dadha Pharmaceuticals Ltd will soon start producing a variety of pharmaceutical preparations in Tamil

Nadu. The products to come out of the project will include antibiotics, sulphonamides and vitamins, with an expected turn-over of Rs25 million.

The Tamil Nadu Industrial Development Corporation which has co-sponsored the joint sector project with Dadha Drugs and Pharmaceuticals Ltd, a small private sector unit in the State, has taken this step in view of the fact that there has been practically no development of the pharmaceutical industry in Tamil Nadu.

Wilkinson Sword accept bid from British Match

British Match Corporation Ltd have bid £19m for Wilkinson Sword Ltd and the bid seems certain to succeed since the Wilkinson directors and the Randolph family, who together own over 50 per cent of the ordinary shares, have irrevocably accepted the offer.

The combined group will have a turnover of over £100m and pre-tax profits of about £10.5m.

Glaxo expand their Spanish interests

Glaxo Holdings Ltd, have acquired a 50 per cent interest in a new Spanish company, Safesa Iberica SA. This company is the exclusive holder of all product registrations for Glaxo's pharmaceutical products in Spain and will conduct the group's pharmaceutical business in that country.

The chief executive of Safesa is Mr J. S. Cuthbert who joined T. & H. Smith Ltd, in 1952 and successively became a director of Edinburgh Pharmaceutical Industries Ltd (acquired by Glaxo in 1962), operations director of Vestric Ltd, and finally commercial director of Glaxo's subsidiary in France (Laboratories Glaxo SA) in 1969.

Fisons new chairman

Mr G. V. K. Burton, CBE, deputy chairman and chief executive of Fisons Ltd, was last week appointed chairman of the company. He succeeds Lord Netherthorpe, who is retiring as chairman but remains on the main board. Mr Burton joined the company at Ipswich in 1934 and held numerous appointments mainly connected with the horticultural and fertiliser part of the business before, in 1964, he was appointed chairman of Fisons international division as well as vice-chairman (overseas) of Fisons Ltd. He became chief executive in September 1966 and was appointed deputy chairman of the group in March 1971. Mr Burton received his CBE for services to British exports in the last Birthday Honours List.

Briefly

Shellstar Ltd are to establish at Ely, Cambs the commercial headquarters of their agricultural chemicals business in connection with the plans for reorganising the agricultural division of Shell Chemicals UK Ltd. The Shellstar fertiliser side has been transferred to the Dutch fertiliser organisation UKF.

Haarmann & Reimer GmbH: With the laying of the foundation stone, a few days ago, for a new central administration building in Holzminden, Haarmann & Reimer GmbH are hoping for completion in the Autumn of 1974—the year in which the company will celebrate their centenary.

Beatson, Clark & Co Ltd's chairman, Mr Alec W. Clark, told shareholders at the annual meeting last week that a satisfactory balance between production and sales had continued throughout the first four months of the current year.

Unilever Ltd: The group's subsidiary Lever Brothers were given permission by the Prices Commission on Tuesday to increase the prices they charge for their soaps and detergents because of higher raw material costs. The average wholesale increase was 3.75 per cent and large bars of toilet soap should rise by $\frac{1}{2}$ p.

Hindustan Antibiotics Ltd's expect a plan to go into commercial production of vitamin C within a few months. Its completion suffered a setback as some essential equipment was impounded by Pakistan and had to be re-ordered.

Miss Rebecca Tomkin has closed her pharmacy at 10 Marino Mart, Fairview, Dublin. Miss Tomkin opened the premises 47 years ago.

Mr John Kingston has opened a pharmacy at Taylor's Lane, Ballyboden, co Dublin. **Browne & Co Ltd**'s pharmacy at Ballsbridge, Dublin, has closed down.

Appointments

Bristol-Myers Co Ltd: Andrew De Nahlil has been appointed management development adviser; Merrick Wilkinson, salaried brands manager with the Clairol division and Adrian Bourne, brand manager for the company's products.

Multiple Shops Federation: Following the resignation of Mr Willoughby Norman on his retirement from the chairmanship of Boots Co Ltd, the Multiple Shops Federation has appointed Mr Arnold Burton a president.

Mr Richard W. Saunders has been appointed to a lectureship in the department of pharmacy, Queen's University of Belfast. Mr Saunders graduated from Queen's with a first class honours B.Sc in Pharmacy in 1969.

Howard Lloyd & Co Ltd: Mr Jack Crowther retires on June 30 on reaching normal retiring age. Mr K. Gillian has been appointed works manager at Batley, Yorks from that date. Mr David Crowther, operations manager, will take charge of purchasing on behalf of Mr Gillian.

Revlon International Corporation have appointed Mr R. Hunnibal marketing manager for the United Kingdom.

People

Topical reflections

BY XRAYSER

The amulet

Mr J. C. Hanbury CBE, MA, BPharm, MPS, FRIC is retiring from the chairmanship of Allen & Hanbury Ltd on May 31 after 19 years in that office and more than 40 years of service with the company. His forthcoming retirement was disclosed at Allen & Hanbury Veterans dinner a month ago (*C&D*, May 5, p561) but no date was specified.

Mr Hanbury joined Allen & Hanbury as an apprentice in 1932. At that time the company was engaged in the manufacture of a wide range of pharmaceutical products, infant foods and surgical instruments.

Since the 1939-45 war, the development of Allen & Hanbury has undergone radical changes under the chairmanship of Mr Hanbury; the widely diversified character of the business has given way down the years, to the discovery and development of new drugs for a few specialised areas of medicine. Also under the chairmanship of Mr Hanbury, the company merged with Glaxo Laboratories Ltd in 1958.

Mr Hanbury has been a member of committees set up by the Ministry of Health since 1948, and in 1970 he was elected chairman of the Central Health Service Council. He is a past president of the Association of the British Pharmaceutical Industry and the (then) Association of British Chemical Manufacturers and until his retirement, he is a member of the council of the Chemical Industries Association. He has for many years been a member of the council of the School of Pharmacy, University of London, and is chairman of the Harlow Group Hospital Management Committee and chairman of the Lee Conservancy Catchment Board. He has been a member of the British Pharmacopoeia Commission for 25 years. Mr Hanbury was awarded the CBE in January 1969.

Mr C. D. Muirhead, BSc, who has been with Lederle Laboratories' medical division is to take up an appointment in Boots Co Ltd. Prior to working for Lederle, he was an account executive with an advertising agency and a product assistant with Fisons Ltd. In 1971 he was awarded the Institute of Marketing's Ofrex Travel Scholarship which enabled him to spend four weeks in the US and Canada in 1972 studying the pharmaceutical industry.

Deaths

Bourke: Recently, Mr Augustus Bourke, MPSI, Main Street, Castlebar, Co Mayo. Mr Bourke qualified in 1921 and had his own pharmacy in Castlebar for many years.

Douglas: On May 19, Mr D. M. Douglas, regional manager, Ireland, for Pharmacia (Great Britain) Ltd. Mr Douglas died in a sailing accident.

A recent reference in this column to camphorated oil led me to reflect on that amulet of my childhood, the camphor locket. It was made of metal, with a number of little holes on one side, through which perforation exuded, actuated by bodily warmth, the pleasing aroma of camphor. The locket, as all good lockets should be, was worn round the neck and in contact with the skin. There was, if I remember correctly, a little hole at the top through which could be threaded a piece of ribbon and, *hey presto!* we were protected against measles, whooping cough and the sundry other ailments of childhood.

It was no uncommon sight to see the floor of the pharmacy window ankle deep in what looked like the treasures of Aladdin's cave. How the lockets could be made out of metal, filled with camphor and painted in gaudy colours, all for one penny, passes my comprehension today. But that amulet passed from the scene, to be replaced by an iodine locket which also depended from a ribbon round the neck, the iodine volatilising, as had the camphor, with body heat. The iodine, as I recollect, was contained inside a hard capsule which had to be pierced with a pin before wearing.

The particular pharmacy I have in mind always had some special allurement for a child. Sometimes, in winter, there would be a lighthouse with a revolving lantern which had some tenuous association with cod liver oil emulsion, and the jagged rocks illuminated by the lighthouse were bottles of the emulsion itself. Then there would appear large wooden crates of brown sugar candy with pieces of coarse string threaded through it, for of course we knew nothing then of crystallography. It was used to make demulcent drinks when, perchance, the camphor locket had lost the combat with what today would be described as a virus infection. And then our chests would be rubbed with camphorated oil and eucalyptus, covered with flannel, and we would be despatched to bed suitably reinforced to repel invaders.

A state of resignation

I am sorry to read that the Pharmaceutical Society's Branch Representatives were not in a more expansive mood when they met in London for their annual deliberations. In particular I felt great sympathy for Mr S. Durham, who had travelled from Sheffield "to promote discussion" on the matter of the pharmacist and the NHS contract—and heard only from the chairman of the Law Committee that there were "legal difficulties".

It occurs to me that the representatives (indeed, the branches and members that send them) may have reached a stage of resignation. Is it really worthwhile saying the same things about the same motions year in and year out? My reply would be yes. It is our only collective means of telling the profession's leaders what we continue to expect of them, and it should be remembered that the meetings are not merely for "internal consumption". Others are keeping an eye on our moods—or the lack of them!

Farmer: On May 9, Mr William John Farmer, MPSNI, Leafield, 12 Circular Road, Jordanstown, Newtownabbey, Co Antrim. Mr Farmer qualified in 1928 after serving his apprenticeship with G. W. Lawson Ltd, Limavady, Co Londonderry. He was for many years in business at Whiteabbey, Co Antrim, retiring in 1962. He was for some time councillor on the Newtownabbey Urban District Council

and was founder and enthusiastic leader in the local Boys Brigade Company.

Gilbert: Recently, Mr Arthur Lloyd Gilbert, MPS, 20 Market Street, Eckington, Sheffield. Mr Gilbert qualified in 1934.

Jenkinson: On May 16, Mr John Jenkinson, MPS, 32 Welbeck Road, Bolton, Lancs. Mr Jenkinson qualified in 1936.

New products and packs

Cosmetics and toiletries

Sweet Sue sprays and tissues

J. N. Toiletries are now making available Sweet Sue fragrance sprays (£0.59) to match the Sweet Sue tale mitts. Available in two fragrances: Acapulco and Fire-lover, the aerosol sprays are individually packed in a display unit holding six sprays of each perfume. The unit comes complete with header card and free tester sprays.

Sweet Sue eye 'n' face make-up remover tissues, also introduced are said to remove all makeup including mascara. Eye 'n' face remover contains a special moisturiser called Plantaherb suitable for all skin types which is claimed to nourish the skin without leaving it greasy.

The tissues are packed in sachets and are therefore ideal for holidays and handbags. Packed in boxes of 12 sachets (£0.22 per box), a free display unit holding six boxes is available (J.N. Toiletries, Kitty Brewster Estate, Blyth, Northumberland).

Cocktail shaker bubble bath

André Philippe have added a cocktail shaker bubble bath (£0.99) to their range. The simulated crystal glass container—which can be used as a cocktail shaker after use—has a metallised silver top. A booklet of eight cocktail recipes is attached (André Philippe Ltd, 71 Gowan Avenue, Fulham, London SW6 6RJ).

Natural shampoo range

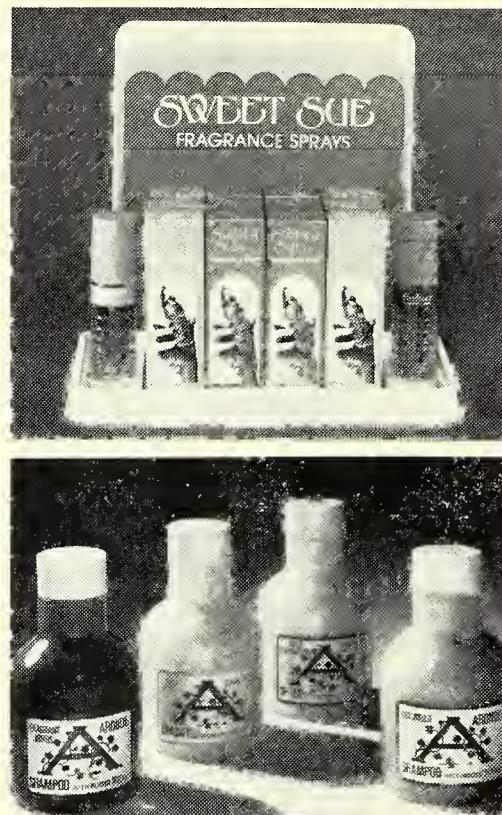
The new range of natural shampoos by Aronde Laboratories comprises four variants, all easily identified by their fragrances as Wild Strawberry, Cucumber, Lemon Essence and Fragrant Herbs. The contents of each bottle are 500cc (£0.33).

To support the launch Aronde are taking advertising space in women's magazines and an introductory offer will be available to the trade. The products will be introduced in new counter display outers, designed to hold six assorted packs; and the company's standard outer which will hold one dozen of each type (Aronde Laboratories Ltd, Sherbourne Avenue, Binstead, Ryde, Isle of Wight).

Nature's face from Cyclax

For today's return to the natural look, Cyclax have created nature's face with their new range of complexion products. These new products include: Light moisture Foundation, in seven, warm shades of Peach; Rose; Amber; Honey; Light Beige; medium Beige and Sun. Added sun-screen and moisturising ingredients help to protect the skin from sun and wind (£1.05).

The new translucent formula of their translucent pressed powder is claimed to



give complexion an ultra-fine, ultra-light finish to make-up without looking "cakey". Available in six shades of Translucent Natural; Translucent Peach; Translucent Rose; Translucent Light Beige; Translucent Medium Beige and Translucent Sun. The formula contains built-in moisturisers and sun-screening ingredients to protect skins, and they're also non-perfumed. Presented in a round translucent purple compact (£1.52, refills £0.76).

Powder Blusher is the last new complexion product and comes in four summer shades of Pinky Blush; Rosy Blush; Ruby Blush and Cheeky Blush, the pressed powder blusher comes in its own new mini compact (£1.02) (it's a smaller version of their new pressed powder compact) with puff. (Cyclax Ltd, 65 South Molten Street, London W1Y 2BS).

Handbag-size sprays

Goya have now introduced a new handbag-sized perfume spray (£0.35) available in the Gardenia, Black Rose, Piquant and No. 5 fragrances (Goya Ltd, Badminton Court, Amersham, Bucks).

Photographic

New enlarging meter

A new Cds enlarging meter (£6.86) has been announced by Paterson. It operates on the same principle as the previous model, but incorporates a number of design and functional improvements. The sensitivity range and paper speed scale have been extended, and the seconds exposure



dial is larger, being marked from $1\frac{1}{2}$ to 110 seconds at intervals of one-fifth stop. The meter is claimed to be suitable for use with all tungsten enlargers and operates on 210-250 volts AC (Paterson Products Ltd, distributors Network Technical Distributors Ltd, 335 Hendon Way, London NW4 3NB).

Prescription specialities

EUDEMINE injection

Manufacturer Allen & Hanburys Ltd, Bethnal Green, London E2 6LA

Description Diazoxide 300 mg in sterile aqueous solution with sodium hydroxide at pH 11.6

Indications Hypertensive crises, severe hypertension refractory to usual antihypertensives, toxæmia of pregnancy

Dosage 1 ampoule (300 mg) by intravenous injection. Up to 4 doses may be given in 24 hours

Precautions Caution in coronary artery or cerebrovascular disease. Oral diuretics may potentiate the hypotensive action. The anti-coagulant effect of coumarin derivatives may be potentiated. Care must be taken to prevent leakage into surrounding tissues

Side effects Tachycardia may occur soon after injection, more commonly in digitalised patients. Orthostatic hypotension may occur in those recently treated with adrenergic blocking type of antihypertensives. A transient rise in blood sugar may be anticipated. Other effects reported are discomfort in abdomen or back, substernal pain, a sensation of warmth along the injected vein, transient cerebral or myocardial ischaemia during period of maximum hypotension, delay in the second stage of labour

Storage Protect from light. Shelf life 2 years

Dispensing diluent Not to be diluted or mixed with other drugs

Packs 20 ml ampoule (£1.50 trade)

Supply restrictions PI, S4B

Issued June 1973

What your customers will start looking for each month.



APOCAIRE VALUE

*Exclusive
Brand Leader
Promotions*

Each month your customers will look for this Apocaire sign because this sign is going to mean value.

Value approved by someone whose opinion they trust...yours.

Apocaire is a guarantee of exclusive promotions. They're national branded goods and they change every month.

Your customers will appreciate this.

Your sales will increase, your profits will increase.

And you can participate in Sangers "Points to Profit" scheme.

APOCAIRE VALUE

SANGERS

DEPOTS AT: BEDFORD, BELFAST, BOURNEMOUTH, BRIGHTON, BRISTOL, CROXLEY GREEN, EXETER, LIVERPOOL, LLANDUDNO, MAIDSTONE, MITCHAM, PLYMOUTH, READING, STAMFORD HILL, WEMBLEY..

Trade News

New pack size for Senokot

Manufacturers of Senokot, Reckitt & Colman pharmaceutical division, Dansom Lane, Hull, are introducing a new 24 tablet foil pack to their current range, especially for new users. The 24 tablet sized pack (£0.14) is ideal for occasional purchases, say Reckitts, while the new style packaging (each tablet is foil wrapped) "ensures absolute freshness for every dose".



The new size pack comes in cartons of 12, and the green Senokot "Natural Anthrone Symbol" is prominently displayed on all packs.

Appointed UK agents

A. & E. Connock, "Crompton Fold," Pleshey, Chelmsford CM3 1HE, have been appointed as sole UK agents for the French perfumery house, Societe Descollonges Freres SA.

New packs from Portia

Updated graphics are the main feature of a new Portia display card which doubles for salon quality emery boards and professional nail files, say Solport Bros Ltd, Portia House, Goring Street, Goring by Sea, Worthing, Sussex BN12 5AD.

Bonus offers

Aronde Laboratories Ltd, Sherbourne Avenue, Binstead, Ryde, Isle of Wight. Six assorted free shampoos on order of 48.

During the period May 28 to July 7 Vestric, Chapel Street, Runcorn, Cheshire, are offering an additional 10 per cent discount off normal trade price for orders of 30 assorted Ilford Black and White films.

The only stipulation for this additional 10 per cent is that the order must include at least 10 x 36 exposure cassette films. In addition to the discount, there is an "easy to enter" competition for chemists and their assistants, involving 12 prizes of Russell Hobbs chromium plated electric kettles, retail value £9.11.



Cyclax stand for new series (see p722)

Promotions

Ribena's World

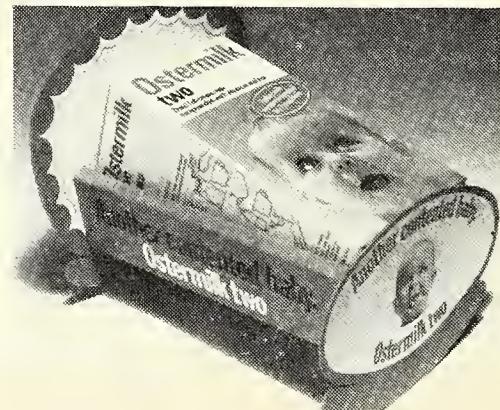
Ribena's "World Around Us" consumer promotion features free full colour cut-outs of animals, birds, insects, flowers and trees with every bottle; a free scrap book offer; a painting competition for children and a reduced price offer on the 345 Nursery Course. The promotion, say Beechams, is designed to encourage children to discover the natural world around them and to participate in project work that will further their knowledge and development.

In addition to point-of-sale material, two million bottle collarettes advertise the free scrap book offer, which is available against two Ribena foil caps plus 3½p postage.

Apart from the many projects in the scrap book there is also a painting competition with prizes of a fully illustrated nature book called "Know About The Countryside" for the best 100 entries. And for parents, Ribena are offering a reduction on the subscription price of the 345 Nursery Course—a twelve month programme of pre-school activity (Beecham Products, Beecham House, Great West Road, Brentford, Middlesex).

Eye-appeal for Ostermilk Two

Two more point-of-sale items are now available to promote Ostermilk Two. These are a rocking cot (HD704) which holds a product pack and a cut-out baby display piece (HD706) which draws attention to the Ostermilk Two packet (Sales Corres-



pondence Department, Glaxo Laboratories Limited, Greenford, Middlesex, UB6 0HE).

Summertime competition

Readers of the *Evening Standard* have a chance of winning a winter holiday prize for two in this year's June photographic competition "Summertime", organised by the newspaper in association with Kodak Ltd.

There are £500 in prizes to be won, including a grand prize of an Alitalia "Top Flight" £200 winter holiday—of the winners' own choice—by scheduled flight from Heathrow. In addition, there will be several other major prizes of Kodak cameras and films.

Photographs, which can be black-and-white or colour prints or colour transparencies, can depict any aspect of the theme "Summertime". The competition will run from May 29 until June 27; full details of the competition were published in the *Evening Standard* on May 29 (Kodak Ltd, P.O. Box 66, Station Road, Hemel Hempstead, Herts).

Clearasil promotion pack

Richardson-Merrell are re-introducing their special pack of Clearasil Cleansing Lotion plus a sample bottle of Clearasil Soft Shampoo (combined pack £0.49).

This promotion pack offers consumers a standard 100cc size of Clearasil Cleansing Lotion plus 39cc sample bottle of Clearasil Soft Shampoo, for which a nominal charge of 5p has been added to the retail selling price of the Cleansing Lotion (£0.41p).

Specially developed merchandising material is available (Clearasil Division, Richardson-Merrell Ltd, 20 Savile Row, London W1X 2AN).

TV campaign for Right Guard

Planning a £200,000 TV advertising campaign for Right Guard. The campaign, a mixture of 15- and 30-second spots, started April 30 and runs in three separate bursts throughout the Summer until September. The commercials underline Right Guard's family associations under the theme—"Right for your family, right for you," and are aimed primarily at the housewife (Gillette Industries Ltd, Great West Road, Iselworth, Middlesex).

on TV next week

Alberto Balsam creme rinse and conditioner: Y, NE

Alberto VO5 hairspray: Y, NE

Anadin: All except E

Bisodol: M, Y, Sc, WW, So, NE, U

Bristows shampoo and conditioner: All areas

Close Up: All areas

Cool: All areas

Anne French deep cleansing milk: Ln

Harmony hairspray: All areas

Immac: All except Ln, E

Kodak: All areas

Maybelline Great Lash mascara: Ln, So

Milk of Magnesia tablets: Ln, Lc, Y, WW, So, We, B, Cl

Why you should have Apocaire exclusive promotions on display each month.

7,666 pts.

14,860 pts.

4,555 pts.

6,850 pts.

1,625 pts.

2,865 pts.

Each product featured in Apocaire's monthly promotion carries a value. A points value.

You accumulate these points to exchange for items from a superb range of gifts.

By displaying the Apocaire promotions, your customers will appreciate the effort you are making to give them value for money.

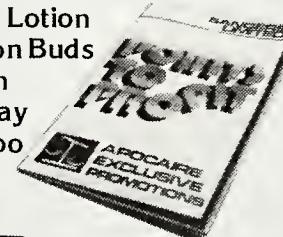
Your sales will increase. Your

profits will increase.

And you will rapidly collect a host of gifts from the Sangers "Points to Profit" Gift Brochure.

June Apocaire Promotions

Alka-Seltzer	Badedas	Vaseline Jelly
Colgate Dental Cream		Wilkinson Blades
Johnson's Baby Lotion		
Johnson's Cotton Buds		
Kleenex for Men		
Sunsilk Hairspray		
Sunsilk Shampoo		



**APOCAIRE VALUE
SANGERS**

DEPOTS AT: BEDFORD, BELFAST, BOURNEMOUTH, BRIGHTON, BRISTOL, CROXLEY GREEN, EXETER, LIVERPOOL, LLANDUDNO, MAIDSTONE, MITCHAM, PLYMOUTH, READING, STAMFORD HILL, WEMBLEY.

Three Wishes is already national brand leader* sales still bubbling!

Congratulations to those of you
who've kept in stock.

Commiserations to those who haven't.

But Three Wishes' success—outselling
all liquid bath foams in four months
from launch—looks like continuing.

Is the new national brand leader
on your shelves?

Three Wishes

— to make her feel more beautiful.



Elida Gibbs Ltd
The Brand Builder

New look for Pharmacies



Ten years ago Nordia researched, then modernised, Mr. Walker's pharmacy in Worcester. What we did was set a pattern - which we, and our competitors! - slavishly followed for years. The result - pharmacies up and down the country tend to look alike

So, as you can see from the top photograph, with our new Nordia 90, we've produced a new look. The white finish (handy for cleaning) marries the pharmacy atmosphere. The new Shop-in-Shop system and wide range of accessories make merchandise interesting.

The photograph below shows the new dispensary area which also features Nordia fittings and equipment.

So now your pharmacy can look different and be fashionable and practical too with cost conscious Nordia equipment.

Send the coupon now - and be different

NORDIA
know about retailing!

To William Mason & Son Ltd., Gelderd Road,
Leeds. LS12 6JD TEL: 0532 29554

NAME

COMPANY

ADDRESS

CHEM 6



**Don't let 'em
go away without their
Acriflex**
The Antiseptic Cream
that soothes and heals

... not just the finest sunburn remedy
you can sell ... the ideal antiseptic
cream for the family holiday.

Acriflex takes the sting out of blisters, severe sunburn and skin irritations. Acriflex also protects from infection and helps rapid healing. Acriflex contains aminacrine hydrochloride BP 0.1% in a vanishing cream base.



Acriflex is a Trade Mark of
Allen & Hanburys Ltd.
London E2 6LA

Comment

A few consolations

For pharmacy, the Medicines Act draft general sale and prescription-only lists are predictably like the curate's egg. However, the good parts are "very good", and the bad parts are no worse than was feared.

Nevertheless, pharmacists can see very little concession to their view that medicine should be on general sale only to a very limited degree. A closer look at the general sale list, however, reveals that the number of drugs of high therapeutic activity is greatly restricted—much of the list's extent derives from the inclusion of herbal remedies, and trace elements, for example.

Although many pharmacists would like to have seen aspirin and paracetamol restricted to pharmacy-only sale, the limitation on pack size is indeed a major victory for the profession. High dosage presentations are to be restricted to pharmacies, and it can be anticipated that this will provoke an outcry from the makers of "lemon" cold treatments whose sachets and tablets are usually "double dose".

Dosage limits are also to be noted in many of the entries in both lists, though only rarely is a useful "pharmacist-only" category left in the middle. Examples are lobeline, phenylpropanolamine, quinine.

Iron is on the general sale list at a level of 24mg Fe per dose, effectively putting products into the "dietary supplement" category and leaving anything with therapeutic activity in the hands of the pharmacist.

The pharmacist will also be relieved that most existing P1 poisons remain under his control—including many antihistamines, local anaesthetics, dextromethorphan, anticholinergics, codeine, pholcodine. Most of the effective nasal decongestants are also kept from general sale, and the oral preparations such as Contac 400 and Procol are well above the general sale upper limits of dosage.

Vitamins are on general sale, but there are again provisions to ensure that their dosage is kept at "supplement" level where a known danger exists in higher intakes.

One of the greatest breakthroughs for pharmacy is, of course, recognition of the profession's ability to take responsibility for supplying, without prescription

emergency quantities of otherwise restricted medicines.

Having to refuse a patient on a Saturday evening because a doctor cannot be contacted has always presented problems; with the proposed new regulation the pharmacist will be able to gain not only the patient's gratitude, but his respect.

An opportunity to study the two lists over a greater length of time will undoubtedly lead to the discovery of anomalies. It will also reveal the drugs whose names are not mentioned in either list—important because they will be pharmacist-only.

Detailed scrutiny need not be left to the "experts", however. This is an occasion on which the man behind the counter is fully equipped to assist the profession's leadership by pointing out where problems might arise at a practical level.

Other interests will undoubtedly be making their representations to the Department of Health: pharmacy's voice must ever be seen to act in the interest of the public and reason.

Restricted titles

In the past week or two, advertisements have appeared in the national Press which proclaim the Co-operative Societies' "£1 million price-cut".

It is a highly competitive and commercial presentation, but it includes a section headed "At Co-op pharmacies only". There follows a list of 14 cut prices on toiletries, sundries, Dettol, PLJ, and Lucozade.

We have every sympathy with the Co-op's need to advertise in this way, but the use of a restricted title must inevitably be called into question.

The dilemma is how else the Co-op are to identify the type of outlet—Boots are indeed fortunate not to need to say "chemists" any longer.

But there cannot be a rule observed by the small and weak and ignored by the mighty. The Pharmaceutical Society's Council must face up to reality, and if it cannot enforce its own rules, it should open the discreet use of titles to all.

"Jones the chemist" probably needs the concession more than does the Co-op!

Books

Tolley's Tax Tables 1973-74.

Tolley Publishing Co, 44a High Street, Croydon CR9 1UU. 8 x 9½ in. Pp. 16. 0·50.

Several new tables designed to help with VAT and other current tax calculations are incorporated in the 1973-74 edition of *Tolley's Tax Tables*, just published. They include 30 per cent, 30 per cent grossing-up, 15 per cent investment income surcharge, and the higher rates of income tax. There are two tables of use in VAT cal-

culations. The first gives the VAT content of prices from £1 to £500; the other gives basic prices over the same spread together with corresponding prices including tax (at 10 per cent).

Portraits in the Wellcome Institute

Renate Burgess, Ph.D.

Wellcome Institute of History of Medicine, 183 Euston Road, London NW1 2BB. 12 x 8½ in. Pp 459. £12.50.

Dr R. Burgess who has for many years been the keeper of art collections in the Wellcome Institute has produced this catalogue which records portraits of 3,269 individuals plus 36 in the addenda. The catalogue is illustrated with reproductions of

377 portraits. In a foreword to the catalogue Dr F. N. L. Poynter, director of the Wellcome Institute says the extent of the collection of medical and scientific portraits in the Institute is well known among specialist historians of medicine and a complete catalogue has long been awaited. Through Dr Burgess' efforts the catalogue is now available to a wider public and it is hoped will prove useful to many outside the immediate circle of historians of medicine.

The portraits described were purchased or received as gifts but most as small collections acquired by the late Sir Henry Wellcome during 1896-1936.

Professional News

Pharmaceutical Society of Ireland

International Congress for Dublin in Society's centenary year

The Thirty-fifth International Congress of Pharmaceutical Sciences will be held in Dublin in 1975, Mr J. P. O'Donnell told the May meeting of the Council of the Pharmaceutical Society of Ireland in Dublin. He read a letter from Professor J. Polderman, scientific secretary of the board of pharmaceutical sciences, confirming the arrangement.

The news was warmly welcomed by members of Council, especially as the event will be coinciding with the centenary of the establishment of the Pharmaceutical Society.

In his letter to Mr O'Donnell, the Council's representative on FIP, Professor Polderman wrote that the board had unanimously accepted the decision. "Many details will have to be discussed in the forthcoming time both with regard to the technical organisation and in respect to the scientific programme.

"For your information it may be useful that so far, 1,600 people have registered for the Stockholm Congress—a total number of 2,000 participants is anticipated."

The letter added that the Scientific programme would be discussed for the first time at the board meeting in Stockholm on September 2 and suggested that the Council choose an organising committee which could be represented at this meeting. The agenda would be forwarded in due course. It was the practice to hold the first meeting dealing with the organisation of Congresses at the Congress held two years in advance.

Mr O'Donnell said the decision was a tribute to the Society and to Irish pharmacy. The organising of the event would be a gigantic undertaking and no effort could be spared, but he felt the organising committee would prove equal to the task.

The assistant registrar, Mr M. J. Cahill, had agreed to act as secretary and Professor R. F. Timoney had consented to take charge of the scientific programme.

Mr O'Donnell said that it was obvious Mr Cahill would require to travel to Stockholm in September to familiarise himself with procedure. The fact that Congress would coincide with the 100th anniversary of the establishment of the Pharmaceutical Society of Ireland meant that Irish pharmacists would have something extra to look forward to in celebrating such a notable occasion. He was sure they would discharge their responsibilities in seeing to it that both events were honoured in a fitting manner.

It was estimated that three-quarters of the pharmacists of the world would be represented at the Congress which would be addressed by many distinguished speakers. He was anxious that a basic committee be set up to start making plans.

The president, Mr R. J. Semple, congratulated Mr O'Donnell on arranging a

major conference for Dublin at a time when there was a resurgence of interest in professional pharmacy.

Mr J. E. Burrell, treasurer, did not think they should allow lack of finance to hamper arrangements. A great honour was being paid to Irish pharmacy and he knew they would have the co-operation of all pharmacists in seeing to it that if extra finance was needed it would be forthcoming.

Economic survey

The first in a series of questionnaires dealing with the economics of Irish pharmacy has been prepared and copies are about to be sent to every pharmacy. Announcing this, Dr W. E. Boles, chairman of the committee in charge of the survey, said they had held a number of meetings over the past few months attended by Council representatives as well as by Mr John Burke (the Pharmaceutical Union), Mr Ledwith (Contractors' Committee) and Dr Harrison (Economic Intelligence Unit). He emphasised that the questionnaire would be the first step in the survey and would deal with pharmaceutical economics. Other aspects of the profession would be covered in later circulars.

Appealing to all pharmacists to fill in the survey forms accurately, he stressed that complete confidentiality would be observed in the case of all replies. Individual replies would not be discussed or made available to anybody. It was hoped to have the replies returned within a fortnight. Any queries should be addressed to Dr Harrison.

Mr T. R. Miller said he was hoping for a 100 per cent response, otherwise the particulars furnished would not be fully representative. "I urge every pharmacist to fill in the particulars so as to give the economist a chance to produce something worthwhile."

Mr M. Shannon described the survey as the most important ever undertaken on behalf of pharmacy and said that too often pharmacists had been inclined to look back to the past. Now they were being given a chance to think of the future.

Mr Walsh paid tribute to Dr Boles and his committee and said he regarded the survey as a milestone in Irish pharmacy.

The president, remarking that many pharmacists had not yet contributed to the fund to pay for the survey, reminded them that it was hoped all pharmacists would benefit from the findings. He suggested that pharmacists in all health board areas should see to it that forms were filled in by all concerned. He also thanked Dr Boles and the committee for the excellent job they had done in preparing the survey.

Arising out of the minutes, the registrar, Mr J. G. Coleman, reported that he had

supplied the Irish Tourist Board with a list of pharmacies covering the Dublin area whose owners lived over their premises. He also told them that the Society had a list of pharmacies where the telephone number of the person in charge was displayed after hours so that he could be contacted in the event of an emergency.

Arising out of the Law Committee report, it was decided, subject to the opinion of the law adviser, to institute proceedings against the proprietor of a Dublin self-service store for breaches of the Poisons and Pharmacy Regulations.

On the motion of Mr Shannon, seconded by Mr H. P. Corrigan, it was decided to write to the new Minister for Health, *An Tanaiste*, Mr Corish, congratulating him on his appointment.

Arising out of the Practice of Pharmacy Committee report, the chairman, Mr W. E. Butler, said they had recommended the holding of a pharmacy management course by the Postgraduate Education Committee. He was asking the Council to give its approval. Mr P. Browne stressed that the purpose of the course was not to tell pharmacists how to run their affairs but to advise them. The Council agreed in principle to the course which will commence in the autumn.

Mr R. J. Power reported on a meeting with representatives of the Postgraduate Education Committee regarding drug education policy. They also discussed the matter of acquiring films and materials from the Ireland-American Society for the purpose of delivering lectures on drug abuse. He felt lectures should be made available to adult societies such as Rotary clubs and parent-teacher associations, but before the Council gave approval to the purchase of the films, he thought they should have an opportunity of viewing them. Essentially he thought the work of the Committee in this field should continue.

Mr S. Hillery thanked pharmacists throughout the country for the support extended to him in his recent bid to secure election to the Senate. Pharmaceutical colleagues had used their influence to secure him support among the voters.

Register changes

The following changes of address were noted: Miss Catherine F. P. Leahy, LPSI, Omega, Roxburgh Road, Limerick. Mrs Audrey M. A. Toner, LPSI, The Crossing, Leopardstown Road, Foxrock, co Dublin. Miss Martina Quinn, LPSI, 1 Lincoln Place, Westland Row, Dublin 2. John Rafferty, MPSI, Stanmore, Bray Road, Foxrock, co Dublin. Dr J. J. Reidy, MPSI, Willow Bank, Sandyford Road, Dundrum, Dublin 14. Francis J. Murray, MPSI, Menloe, Kerrymount Avenue, Foxrock, co Dublin.

Nominated for membership were: Martina Quinn, 1 Lincoln Place, Dublin 2; Miss Nora M. P. Brosnan, 65 Cherry House, Dublin 4; Mrs Kathleen Dockery, 3 Sion Hill Road, Dublin 9.

Mrs Anne I. Tierney (née O'Donoghue) assistant submitted her marriage certificate and was granted change of name in the register. Mrs Nora Horan (née Ahern) assistant was restored to the register.

Elected to membership were: Michael G. Connolly, Veronica Greig and Ellen S. Moloney.

Extension of emergency supply of prescription-only medicines

The emergency system for the sale or supply of drugs without a prescription for prescription-only items should be extended, the Medicines Commission recommends.

It will take two forms—a supply on the doctor's undertaking to furnish a prescription within a time limit of 72 hours (also applies to substances previously under the Therapeutic Substances Act) and in cases of genuine emergency without reference to a doctor providing certain conditions are fulfilled. The conditions are:

The pharmacist must first personally interview the person and with the application of his professional competence satisfy himself:—

(i) that a genuine emergency exists (for this purpose an emergency is defined as "an event or combination of circumstances calling for the immediate supply of the medicinal product concerned"); (ii) that treatment with the medicinal product for the condition from which the person is suffering has already been

prescribed by a doctor; and (iii) as to the dose which it would be appropriate for the person to take in the circumstances of such treatment.

Having satisfied himself on all three points, and only then, the pharmacist may supply a sufficient quantity of the medicinal product for not more than 3 days' treatment subject to the conditions below.

The pharmacist must keep a record of the transaction in an "Emergency Supply Register".

The particulars to be noted in the Emergency Supply Register on each occasion an emergency supply takes place are:—

(i) the date; (ii) the circumstances of the emergency; (iii) the name and permanent address of the person supplied who must be the person requiring the emergency treatment; (iv) the proprietary name and the Approved Name (if any) of the medicinal product supplied, its pharmaceutical

form and its strength (in the case of a compound proprietary preparation, the proprietary name alone will suffice); (v) the total quantity supplied; (vi) the dose recommended by the pharmacist; and (vii) the signature of the pharmacist making the supply.

The label of the medicinal product must show:—

(i) the date; (ii) the name of the person supplied; (iii) the name of the medicinal product, its pharmaceutical form and its strength; (iv) the total quantity supplied; (v) the recommended dose; (vi) the words "Emergency supply"; and (vii) the name and address of the pharmacy.

Certain substances would not be covered by the second type of supply—barbiturates and tranquillisers—and, subject to certain exemptions substances specified in schedule 2 to the misuse of Drugs Act 1971.

Exemptions from the script-only list

Conditions under which certain prescription-only medicines may be sold by pharmacists are (key to abbreviations p732): Aconite; alkaloids of, their salts and quaternary compounds: *ms external 0.02 per cent of the alkaloids*.

Adrenaline: *External use; inhalers (except those in aerosol dispensers)*.

Amethocaine: *Non-parental use only*.

Atropine: *External use; mrd 80 micrograms/mrd (daily) 240 micrograms*.

Belladonna herb and root: *External use; mrd (daily) 1 mg of the alkaloids*.

Benzocaine: *Non-parental use only*.

Buphenine hydrochloride: *mrd 6 mg/mrd (daily) 18 mg*.

Bupivacaine hydrochloride: *Non-parental use only*.

Butanilicaine phosphate: *Non-parental use*.

Butyl aminobenzoate: *Non-parental use*.

Cantharidin: *ms external 0.01 per cent*.

Caramiphen hydrochloride: *Maximum amount per tablet the equivalent of 7.5 mg base; ms for liquid preparations the equivalent of 0.1 per cent base*.

Chloral hydrate: *External use only*.

Chloroform: *External use; ms internal 5 per cent (1 per cent internal general sale)*.

Cinchocaine: *Non-parental use only—ms 3 per cent*.

Dequalinium chloride: *ms external 1 per cent; maximum amount per lozenge or pastille 0.25 mg*.

Dextromethorphan hydrobromide: *mrd 10 mg/mrd (daily) 50 mg (equivalent of base)*.

Diclofenac hydrochloride: *mrd 10 mg/mrd (daily) 30 mg*.

Emetine: *Inecacuanha and preparations containing 1 per cent or less of emetine*.

Ephedrine: *mrd 15 mg/mrd (daily) 60 mg*.

nasal sprays or nasal drops—ms 2 per cent; external use (other than nasal sprays or nasal drops).

Folic acid: *mrd (daily) 200 micrograms (general sale also)*.

Gelsemine: *ms 0.1 per cent*.

Glycopyrronium bromide: *mrd 1 mg/mrd (daily) 2 mg*.

Gramicidin: *Throat lozenges or pastilles*.

Hexachlorophane: *Detail of exemption not yet settled*.

Homatropine: *mrd 0.15 mg/mrd (daily) 0.45 mg*.

Hydrargaphen: *Local application to skin*.

Hydrocyanic acid: *ms 0.1 per cent hydrogen cyanide*.

Hydroxymethylgramicidin: *Throat lozenges or pastilles only*.

Hyoxcine: *ms 0.15 per cent*.

Hyoscymine: *mrd 80 micrograms/mrd (daily) 240 micrograms*.

Isoetharine mesylate: *Not for parental use or use in aerosol dispensers*.

Isoprenaline hydrochloride: *Not for parental use or use in aerosol dispensers*.

Isopropamide iodide: *mrd 2.8 mg/mrd (daily) 5.6 mg*.

Lignocaine hydrochloride: *Non-parental use*.

Lobeline: *mrd 3 mg/mrd (daily) 9 mg; External use (general sale mrd internal 0.5 mg)*.

Mafenide propionate: *Preparations in the form of eye drops containing 5 per cent or less*.

Mebeverine hydrochloride: *mrd 50 mg/mrd (daily) 150 mg*.

Mepenzolate bromide: *mrd 12.5 mg/mrd (daily) 37.5 mg*.

Methoxamine hydrochloride: *Nasal sprays or drops not containing liquid paraffin as*

a vehicle—ms 0.25 per cent.

Methylephedrine hydrochloride: *mrd 15 mg/mrd (daily) 60 mg*.

Naphazoline hydrochloride: *Nasal sprays or drops not containing liquid paraffin as a vehicle—ms 0.05 per cent*.

Orciprenaline sulphate: *Not for parental use or use in aerosol dispensers*.

Oxybuprocaine hydrochloride: *Non-parental use only*.

Oxyphenonium bromide: *mrd 5 mg/mrd (daily) 15 mg*.

Papaverine: *mrd 50 mg/mrd (daily) 150 mg*.

Penthenate methobromide: *mrd 5 mg/mrd (daily) 15 mg*.

Phenazone: *External use only*.

Phenylpropanolamine hydrochloride: *mrd 50 mg/mrd (daily) 150 mg; nasal sprays or drops ms 2 per cent; (general sale internal mrd 5 mg)*.

Piperidolate hydrochloride: *mrd 50 mg/mrd (daily) 150 mg*.

Poldine methylsulphate: *mrd 2 mg/mrd (daily) 6 mg*.

Procaine hydrochloride: *Non-parental use*.

Propantheline bromide: *mrd 15 mg/mrd (daily) 45 mg*.

Pseudoephedrine hydrochloride: *mrd 30 mg/mrd (daily) 90 mg*.

Quinine: *mrd 100 mg/mrd (daily) 300 mg; (general sale internal mrd 35 mg)*.

Racephedrine hydrochloride: *mrd 15 mg/mrd (daily) 60 mg; nasal sprays or drops ms 2 per cent) external use*.

Sodium apolate: *External use only*.

Streptodornase: *External use only*.

Tolazoline hydrochloride: *External use*.

Totaquine: *mrd 100 mg/mrd (daily) 300 mg*.

Tyrothricin: *Lozenges or pastilles only*.

General sale list keeps status quo

The Medicines Commission have also issued a list of products—the general sale list—which they regard may be sold “with reasonable safety” at shops other than registered pharmacies.

Inclusion of a product in the list in no way implies that the Commission regards the product as having therapeutic value, nor does it imply that no harm could ever come from its use.

Although the Society's Council urged that, in the interests of safety, no medicinal products should be offered for sale on a self-service basis, the Commission and “General sales list committee” both thought that such a limitation might prove difficult to enforce equitably. No recommendation about restricting self-service of General Sale List products has therefore been made.

The Commission decided that no pack size restriction should be imposed on products in the List except in the case of tablets containing aloxiprin, aspirin or

paracetamol where the maximum number of tablets in a single pack should be 25. It was felt that the purchaser's convenience should not be overlooked and even if restrictions were introduced it would be difficult to prevent a determined customer from purchasing several packs.

Two recommendations have been made concerning labelling. Products containing aloxiprin, aspirin or paracetamol must be labelled as such, a recommended dose must be stated and a warning given that medical advice should be sought if the symptoms persist. Particulars on containers of vitamin D products marketed for use by children should indicate that half the dose should be taken when the child is being fed on dried milk.

The Commission accepted that there is a need for certain medicines to be available for sale through vending machines. To ensure that children do not have easy access to them, they recommend that tight restrictions should be imposed on the location of the machines and that the coin insertion and delivery points should be at heights outside the normal reach of children. Risk of contamination or deterioration of products sold in this way was felt to be minimal.

Products excluded from the General Sale List recommendations are anthelmintics, parenteral injections and eye drops. If a new product containing an unacceptable combination of substances at present recommended for inclusion in the List were promoted in future, the Commission states that the List may need to be amended.

Medicines for human use —

Key:—

mrd = maximum recommended dose not to exceed

“Maximum recommended dose means the maximum amount recommended on the label of a medicinal product for internal use to be taken at any one time.

mrd (daily) = maximum recommended daily dose not exceed

“Maximum recommended daily dose” means the maximum amount recommended on the label of a medicinal product for internal use to be taken within any period of 24 hours.

ms = maximum strength not to exceed

“Maximum strength” means the maximum percentage of the substance contained in a medicinal product calculated in terms of weight in weight, weight in volume or volume in volume as appropriate.

“External” means local application to the skin, mouth, throat, nose, ear, eye, vagina, or rectum.

(AMS) = substance considered suitable for inclusion in the Automatic Machines Section of the General Sale List.

Drugs in the list are:—

Abietis oil; absinthium; acetic acid;— (i) ms internal 7.5 per cent; (ii) ms external 15 per cent; acetomenaphthone; mrd internal 10 mg; adenosine; aesculus; agrimony; albumin tannate; alcohol BP; alginic acid; almond oil; almond oil (essential); aloes; aloin;— mrd internal 20 mg.

Aloxiprin:— Maximum amount per tablet or sachet = 400 mg (adults), 100 mg

mallow; boldo; boneset; broom; buchu; buckbean; buckthorn; bugle; buglewood; burdock; burgundy pitch; burnet; butterbur; butternut.

Cactus; caffeine; calamint; calamus; calcium acetate; carbonate; caseinate; citrate; formate; gluconate; and glycerophosphate; calcium hydrogen phosphate; calcium hypophosphate; calcium iodide:— m.r.d. (daily) internal equivalent to 10 mg iodine; calcium lactate; lactophosphate; pantothenate; phosphate; silicate and stearate; calcium tetrahydrogen phosphate; calumba; camphor spirit; camphor water; canella; capsicum oleoresin:— mrd internal 0.6 mg, ms external 2.5 per cent; caraway oil; carboxymethylcellulose; cardamom; cardamom oil; cascara; cascarilla; casein; cassia oil; castor oil; catechu; catmint; caulophyllum; celery oil; celery seed; centaury; centella; ceratonia; cetraria; chalk, prepared:— [AMS]; chamomile; chamomile, German.

Charcoal, medicinal; chestnut powder; chickweed; chionanthus; chiretta; chlorbutol:— ms internal 0.5 per cent; ms external 2.5 per cent; chloroform:— ms internal 1 per cent; chlorophyll; chlorophyllins; choline; choline bitartrate; choline chloride; choline dihydrogen citrate; cimicifuga; cinchona:— mrd internal 50 mg; cinchonidine sulphate:— mrd internal 10 mg; cinnamon bark; cinnamon oil; citric acid; citrus bioflavonoid; clavers; clove oil; clover; cobalt:— mrd (daily) internal 0.04 mg; cobalt chloride, oxide, and sulphate:— mrd (daily) internal equivalent to 0.04 mg elemental cobalt; cochlearia; cocillana; cod-liver oil (fish liver oil):— as for vitamin A and vitamin D; coltsfoot; comfrey; condurango.

Copper:— mrd (daily) internal 1 mg; copper acetate:— mrd (daily) internal equivalent to 1 mg elemental copper, ms external 1 per cent; Copper carbonate, citrate, gluconate, glycerophosphate and oxide:— mrd (daily) internal equivalent to 1 mg Cu; copper sulphate:— mrd (daily) internal equivalent to 1 mg elemental copper, ms external 1 per cent; coriander; coriander oil; cornflower; corn silk; corydalis; cotton root; couch-grass; cowslip; creosote:— mrd internal 0.1 ml, ms external 0.5 per cent; cubeb oleoresin; cudweed; cyanocobalamin cynara; cypripedium; cysteine; cystine hydrochloride.

Damiana; dandelion; diastate; dill oil; disodium aluminium hydroxycarbonate; dogwood.

Echinacea; elder; elder dwarf; elecampane; elemi; equisetum; eriodictyon; eryngo; escin; ether:— mrd internal 0.25 ml; ethyl acetate; ethyl benzoate; ethyl p-hydroxybenzoate:— ms internal 0.2 per cent; ethylene glycol monostearate; ethylene oxide/cetostearyl alcohol condensate; ethylhydroxyethylcellulose; ethylmethylcellulose; eucalyptol; eucalyptus; eucalyptus kino; eucalyptus oil; euonymus eupatorium; euphorbia; euphrasia officinalis.

Fennel oil; fenugreek; ferric ammonium citrate and ferric chloride, citrate, glycerophosphate and hypophosphate:— mrd internal equivalent to 24 mg elemental iron; ferrous carbonate, formate, fumarate, gluconate, phosphate, succinate, sulphate and tartrate:— mrd internal equivalent to 24 mg elemental iron; feverfew; figwort; fir

Continued opposite

cones; firwool oil; fluellin; folic acid:— mrd (daily) internal 200 micrograms; frangula; fringetree; fucus; fumitory.

Galangal; gamboge:— mrd internal 10 mg; garlic oil; gentian; germander; ginger oil; gingerin; ginseng; gluconolactone; glycerophosphoric acid; golden rod; golden seal grindelia; ground ivy; guaiacol; guaiacol carbonate; guaiacum; guaiphensin:— mrd internal 100 mg.

Haematoporphyrin dihydrochloride; halibut liver oil:— as for vitamin A and vitamin D; harts tongue; hawthorn (crataegus); hay flower; heartsease; heather flowers; hemlock spruce:— ms internal 10 per cent; hesperidin complex; hexamine; holly; holy thistle; horehound; hydrangea; hydrochloric acid (dilute):— mrd internal 1 ml; hydroxypropyl cellulose; hypophosphorous acid; hypromellose; hyssop.

Inositol; inositol nicotinate; iodine:— mrd (daily) internal 10 mg; ipecacuanha; irish moss; iron formate, lactate, and iron reduced:— mrd internal equivalent to 24 mg elemental iron; isopropyl alcohol; ispaghula.

Jalap:— mrd internal 50 mg; jamaica dogwood; jambul; juniper; juniper oil.

Kaolin; kava; kino; kola; krameria.

Lactic acid; lactic acid bacteria; lactuca; ladies mantle; laminaria; larch bark; laricis oleoresin; lavender; lavender oil; lavender oil, spike; lecithin; lemon grass oil; lemon oil; leptandra; leptandrin; lime leaf; linalyl acetate; linoleic acid; linseed; liquorice, lithium benzoate, citrate and salicylate:— mrd internal 200 mg; liver extract; lobelia:— mrd internal 65 mg; lobeline:— mrd internal 0.5 mg; lovage; lucerne; lungwort; lupulin; lysine.

Magnesium carbonate heavy; magnesium carbonate light:— [AMS]; magnesium citrate; formate; glycerophosphate; hydroxide and hypophosphite; magnesium oxide heavy and light; magnesium peroxide; phosphate; sulphate and trisilicate; maidenhair; malic acid; manganese:— mrd (daily) internal 1 mg; manganese chloride, gluconate, glycerophosphate, hypophosphite, lactate and sulphate; mrd (daily) internal equivalent to 1 mg elemental manganese; mannitol; marigold flowers; marshmallow; masterwort; mate; meadow grass; meadow sweet; melissa; menthol; methionine; methyl p-hydroxybenzoate:— ms internal 0.5 per cent; ms external 1 per cent; methylene blue; molybdenum:— mrd (daily) internal 3 mg; molybdenum trioxide, oxide and sulphate:— mrd (daily) internal equivalent to 3 mg elemental molybdenum; motherwort; mountain flax; mousear; mugwort; muira-puama; mullein; myrrh.

Neroli oil; nettle; nickel:— mrd (daily) internal 0.2 mg; nickel oxide:— mrd (daily) internal equivalent to 0.2 mg elemental nickel; nicotinamide; nicotinic acid; nitric acid:— mrd internal 0.02 ml; noscapine and its hydrochloride:— mrd internal 15 mg; nutmeg oil.

Oak; ononis; orange oil; origanum; origanum oil; ox bile.

Pancreatin; pantothenic acid; pantothenol; papain; papaya leaves.

Paracetamol:— maximum amount per tablet or sachet 500 mg (adults), 150 mg (children), maximum tablets or sachets per pack=25.

Paraffin, liquid:— except nasal preparations; pareira root; parsley piert; parsley

root; passiflora; peach leaves; pellitory; pellitory-of-the-wall; pennyroyal; pennyroyal oil; peony; pepper, oleoresin of; peppermint:— [AMS]; peppermint oil; pepsin; periwinkle; phenolphthalein:— mrd internal 120 mg; phenol:— ms internal 1 per cent, ms external 2.5 per cent.

Phenylephrine (except nasal sprays or drops):— mrd internal 10 mg; phenylpropanolamine hydrochloride (except nasal sprays or drops):— mrd internal 5 mg.

Phenylsemicarbazide; phosphoric acid, dilute:— mrd internal 5 ml; pichi; pilewort; pimento oil; pimpernel; pimpinella; pinus strobus; pinus sylvestris; pipsissiwa; plantain, pleurisy root; podophyllum (american):— mrd internal 100 mg; podophyllum (indian):— mrd internal 50 mg; podophyllum resin:— mrd internal 5 mg; poke root; polyhydroxyaluminium sodium carbonate; polyvinylpyrrolidone:— ms internal 1 per cent; poplar.

Potassium acetate, acid phosphate, acid tartrate, aspartate, bicarbonate, carbonate, chloride, citrate and glycerophosphate; potassium iodide:— mrd (daily) internal equivalent to 10 mg iodine; potassium nitrate:— mrd internal 100 mg; potassium phosphate; sorbate and sulphate; potentilla; precipitated sulphur; propyl hydroxybenzoate:— ms internal 0.5 per cent, ms external 1 per cent; psyllium; pulsatilla; pumilio pine oil; pyridoxine hydrochloride.

Quassia; queens delight; quillaia; quinine:— mrd internal 35 mg; quinine bisulphate, hydrochloride, hypophosphite, salicylate and sulphate:— mrd internal equivalent to 35 mg quinine.

Continued on p734

An apology to the Trade.



- Due to the exceptional demand for Pollen-B, the manufacturers apologise to the Trade for the delayed deliveries currently taking place.
- This position is being rectified with greatly increased production which should clear the situation within a few weeks.
- Furthermore the manufacturers wish to

make it clear to the Trade that these delays are no fault of their Distributors, Fassett & Johnson Ltd., who have done everything humanly possible in this launch period of unpredicted demand.

Wassen Developments Ltd., Yale House, Thames St., Walton-on-Thames, Surrey.

General sale list

Continued from p733

Raspberry leaves, red poppy petals; red rose petals; red sanderswood; rhubarb rhizome; riboflavin; rose fruit; rosemary; rosemary oil; royal jelly; rue; rutin.

Saccharated iron oxide and phosphate:—*mrd internal equivalent to 24 mg elemental iron*; safflower; safflower oil; St John's wort; salep; salicaria; salicylamide:—*mrd internal 300 mg*; saligenin:—*ms internal 0.5 per cent*; sandalwood oil; sandarac; sanguinaria; sanicle; saponaria; sarsaparilla root; sassafras; saw palmetto; scammony resin:—*mrd internal 30 mg*; scullcap; seneca; senna fruit and leaf; sennosides A & B:—*mrd internal 10 mg*; serpentine; shark liver oil:—*as for vitamin A and vitamin D*; shepherd's purse; skunk cabbage root; slippery elm—powdered bark.

Sodium acid citrate, acid phosphate, aescin, aescin (polysulphinate), alginate, ascorbate, bicarbonate and carboxymethylcellulose; sodium caseinate, chloride, citrate, dioctyl sulphosuccinate, glycerophosphate and hypophosphite; sodium magnesium aluminium silicate and basic magnesium aluminate; sodium nitrite and phosphate; sodium polyhydroxy-aluminium monocarbonate hexitol complex; sodium potassium tartrate; sodium salicylate; sulphate and tartrate; southern wood; soya lecithin; soya (protein); soya oil; spearmint oil; speedwell; spigelia; squaw-vine squill, white:—*only as an expectorant in cough*

medicines; star anise; stone root; storax; stramonium:—*only in smoking preparations for the treatment of asthma*; strawberry leaf; succinic acid; sulphur; sulphuric acid BP:—*mrd internal 0.02 ml*; sumach; sumbul; sundew; sunflower; sunflower oil; sweet birch oil.

Tag alder; tansy; tartaric acid; terpin hydrate:—*mrd internal 50 mg*; theobromine; thiamine hydrochloride and mononitrate Thuja:—*mrd internal 0.5 ml*; thyme oil; thymol; tilia; tinospora; tocopherol; tocopheryl acetate; tocopheryl acid succinate; tolu balsam; tormentil; tormentilla; tragacanth.

Unicorn root, false; unicorn root, true; valerian; verbena; viburnum opulus; violet; vitamin A:—*mrd (daily) internal 7,500 iu (2.250 micrograms retinol equivalent)*; vitamin A acetate and palmitate:—*mrd (daily) internal equivalent to 7,500 iu vitamin A (2.250 micrograms retinol equivalent)*; vitamin D (calciferol):—*mrd (daily) internal 400 iu (10 micrograms cholecalciferol)*.

Wheat germ oil; whey powder; white pond lily; wild carrot; wild cherry; wild thyme; willow black; willow white; wintergreen; wood betony; woodsage.

Xanthoxylum: yarrow; yellow dock; zinc:—*mrd (daily) internal 4 mg*; zinc phosphate:—*mrd (daily) internal equivalent to 4 mg elemental zinc, ms external 0.15 per cent*; zinc sulphate:—*mrd (daily) internal equivalent to 4 mg elemental zinc, ms external 0.25 per cent*; zizyphus vulgaris.

Medicines for human external use only

□ "External" means local application to the skin, mouth, throat, nose, ear, eye, vagina or rectum.

Acetone; acriflavine; adipic acid; allantoin; alum; aluminium acetate; aluminium acetate; aluminium chlorohydrate; aluminium silicate; aminacrine; aminacrine hydrochloride; aminobenzoic acid; amylo acetate.

Bay-oil; benzalkonium chloride; benzethonium chloride; benzyl alcohol; benzyl cresols, ms 0.5 per cent; benzyl nicotinate; benzyl salicylate; bergamot oil; birch tar oil; bismuth iodide oxide; bismuth subgallate; borax (sodium borate) 5 per cent (0.7 per cent in ophthalmic lotions as a buffering agent only); boric acid (only talcs containing not more than 5 per cent); bronopol, ms 0.5 per cent; butyl alcohol; butylated hydroxytoluene 0.02 per cent.

Cade oil; cajuput oil; calamine; calcium hydroxide; calcium sulphate; camphor; camphor oil; canada balsam; carnauba wax; cedar wood oil; cetrime; cetylpyridinium chloride; chloramine, ms 12 per cent; chlorhexidine acetate; chlorhexidine gluconate; chlorhexidine hydrochloride; chlorinated lime; chlorine; chlorocresol, ms 0.2 per cent; chlorophenoxyethanol; chloroxylenol, ms 5 per cent; chlorophenesin; cinnamic acid; cinoxate; citronella oil; clioquinol, ms 0.6 per cent; coal tar; coconut diethanolamide; coconut oil; colophony; copaiba; cresol, ms 1 per cent; curd soap.

Diatomite; dichlorobenzyl alcohol; dichlorodifluoromethane (propellant 12); dichlorotetrafluoroethane (propellant 114); dichloroxylenol; diethyl phthalate; diethylamine salicylate; diethylethanolamine stearate; diethyltoluamide; dihydroxyace-

acid; jaborandi, ms 0.025 per cent (calculated as the alkaloids); lauryldimethylbenzalkonium chloride; lignocaine, ms 0.6 per cent; lignocaine hydrochloride, ms 0.7 per cent; linseed oil; lycopodium.

Magnesium borate, ms 5 per cent; magnesium chloride; melaleuca oil; methyl salicylate; methyl alcohol; methyl benzalkonium chloride; methyl benzethonium chloride; methyl nicotinate; methyl salicylate; methylated spirit, industrial; mustard oil, expressed.

Neatsfoot oil; nonylphenolethyleneoxide; nonylphenoxypolyethoxyethanol:—[AMS]; nonylphenoxypolyoxyethylene; octaphonium chloride; octylhydrocupreine dihydrochloride; oleic acid; oleyl alcohol; olibanum; orris; orthocresol; orthophenyl phenol ms 0.01 per cent.

Palm kernel oil; parachlorophenol, ms 0.5 per cent; paradichlorobenzene; paraformaldehyde; Peru balsam of; phenoxyethanol; phenyl nicotinate; pine; pine oil; pine oil (terpeneless); polyglyceryl ricinoleate; potash soap; potassium hydroxide, ms 17 per cent; potassium hydroxyquinoline sulphate, ms 0.6 per cent; proflavine; proflavine hemisulphate; propionic acid; n-propyl alcohol; pyrethrum; pyroxylin, ms 4.5 per cent.

Rape oil, ricinoleic acid.

Safrole, salicylic acid (corn paint, ms 12.5 per cent, dusting powder, ms 3 per cent, cream or ointment, ms 2 per cent); salol; saponin; sassafras oil; scarlet red; seal oil; sodium carbonate anhydrous; sodium edetate; sodium formate; sodium hydroxide, ms 12 per cent; sodium octoate; sodium perborate; sodium phenate; sodium phenolsulphonate; sodium polymetaphosphate; sodium propionate; sodium ricinoleate; sodium silicate; sodium sulphide; sodium sulpho succinat—undecylenic monoalkylolamide; strong lead subacetate solution, ms 16 per cent; sulphated castor oil; sulpho succinate of lauryl polyglycol ether; sulphurated potash.

Tannic acid; tar BP, tar oil; tar oil rectified; terebene; terpineol; tolnaftate; trichloro-hydroxydiphenyl-ether; triethanolamine oleate; triethanolamine ricinoleate; turpentine oil.

Undecenoic acid; urea; urea peroxide; venice turpentine; white spirit; wool alcohols; xylenol, chlorinated, 5 per cent.

Zinc caprylate; zinc chloride; zinc oleate; zinc oleostearate; zinc oxide; zinc phenolsulphonate; zinc stearate; zinc undecanoate.

tone; di-8-hydroxyquinoline-p-amino-salicylate, ms 0.3 per cent; di-isobutylphenoxy-polyethoxyethanol; dimethicone; dimethyl phthalate.

Ethanolamine; ethyl nicotinate; ethyl salicylate; euflavine; eugenol; ferric oxide; formaldehyde solution 5 per cent.

Gall; gentian violet; geranium oil; glycol monosalicylate.

Halquinol, ms 0.6 per cent; hamamelis; henna; hexylresorcinol; histamine acid phosphate, ms 0.1 per cent; histamine hydrochloride, ms 0.1 per cent; hydrogen peroxide; p-hydroxybenzoic acid—mixed short alkyl chain esters; hydroxyquinoline, ms 0.6 per cent; hydroxyquinoline sulphate, ms 0.6 per cent; hydroxyquinolines, chlorinated, ms 0.6 per cent.

Ichthammol; iodoform; iodosalicylic

Part of a page from the new Pharmacopoeia (see opposite)

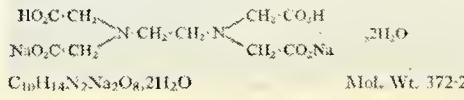
176 Disodium Edetate

Assay To a volume equivalent to 0.25 g of Dipipanone Hydrochloride, add 5 ml of *N* sodium hydroxide and extract with 25, 20, 20, and 15 ml of solvent ether. Wash the combined extracts with 10 ml of water, evaporate to dryness, dissolve the residue in warm alcohol (95 per cent) previously neutralised to methyl red solution, cool, add 7 ml of 0.1*N* sulphuric acid, and titrate the excess of acid with 0.02*N* sodium hydroxide, using methyl red solution as indicator. Each ml of 0.02*N* sulphuric acid is equivalent to 0.008080 g of $C_{14}H_{14}N_2Na_2O_8HCl \cdot H_2O$.

Storage Dipipanone Injection should be protected from light.

Dose Dipipanone Hydrochloride, by subcutaneous or intramuscular injection, 25 to 50 mg.

Disodium Edetate



Mol. Wt. 372.2

Dithranol

Di-oxyanthranol

Mol. Wt. 226.2

Dithranol is a mixture of 1,8-dihydroxy-9-anthrone and its tautomers, prepared by the reduction of 1,8-dihydroxyanthraquinone.

Description A yellow powder; odourless; tasteless.

Solubility Insoluble in water; slightly soluble in alcohol (95 per cent) and in solvent ether; soluble in chloroform and in fixed oils.

Identification 5 mg dissolved in 5 ml of *N* sodium hydroxide forms a clear, fluorescent yellow or orange solution which turns red on exposure to air (distinction from 1,2-dihydroxyanthranol).

Light absorption Extinction of a 1-cm layer of a 0.001 per cent w/v solution in chloroform at 334 nm, about 0.44, page A69.

Melting point 176° to 181°, page A63.

Dihydroxyanthracene 0.10 g dissolves completely in

New formats for BP and BPC

The British Pharmacopoeia 1973

HM Stationery Office (for the Medicines Commission) 12 x 8½in, pp 506 + appendix 185 £10.

The twelfth British Pharmacopoeia made its debut this week.

Having already expanded in thickness as far as possible within the limits of easy manoeuvrability, the new BP has expanded in every other direction. It is now twice as long as the previous edition was wide. According to the BP Commission this new layout has been introduced to allow for even greater expansion in the future. From being a "handbook" of quick reference, its format is now more suited to its intended position on the laboratory bench (but the user will require a generous bench allocation to lay it out flat).

The BP 1973 contains 1,277 monographs, an increase of 128 over the eleventh edition. The standards come into effect on December 1. Additions include the appetite suppressant fenfluramine hydrochloride, the beta adrenergic receptor blocking agent practolol, clomiphene citrate used in the treatment of infertility, and carbenoxolone sodium.

Light kaolin is now described as the form for oral administration to which a dispersing agent has been added; light kaolin (natural) without the dispersing agent is also specified but heavy kaolin has been deleted altogether along with that universal panacea, the kaolin poultice. Confusion may also arise over the naming of dextrose preparations. Glucose and anhydrous glucose have been adopted as subsidiary titles for monographs on dextrose monohydrate and anhydrous dextrose respectively, in a move towards the use of glucose as the main name for dextrose. The terms "medicinal" glucose and "purified glucose" are no longer official and the unqualified term dextrose refers to the monohydrate.

Many of the other changes have been instigated with the intention of bringing the British Pharmacopoeia more into line with the European Pharmacopoeia. Under the Medicines Act 1968, standards in the monographs of the European Pharmacopoeia take precedence over those in the British Pharmacopoeia; standards for those substances appearing in both have been referred to the European Pharmacopoeia. Latin titles have been retained to facilitate identification of the corresponding items in the European volume. Methods of analysis are gradually being reduced in number; the determination of boiling point, paper chromatography procedures, tests for sterility and pyrogens and certain other processes are now to be conducted according to the European Pharmacopoeia.

The official abbreviation for gram is now 'g' not 'G'—the Commission felt that

the use of 'gr' for grain is sufficiently obscure as to no longer cause confusion.

It may come as a relief to find that haphazard tasting as a means of identification is now considered unwise. Descriptions of taste are still included where they supply useful information.

Assays for uniformity of tablets have been introduced in a number of monographs where variation in the content of active ingredient from tablet to tablet is particularly undesirable eg digoxin.

The practice of labelling less stable products with the date of manufacture has been abandoned in favour of labelling with a date after which the preparation is not intended to be used.

The general monographs on capsules, tablets and injections have been modified. There is no longer reference to tablet triturates and a new monograph on suppositories specifies requirements for uniformity of weight, appearance and disintegration. A statement has been added on intrathecal injections and bactericides added to multidose vials must be capable of sterilising the injection within three hours of inoculation with one million vegetative bacterial cells per ml. Large-volume infusion solutions must now be tested for the presence of particles invisible to the naked eye. Other new appendices cover radioactive preparations and plastic containers.

The British Pharmacopoeia 1973, like its immediate predecessors, must be regarded solely as a guide to the standards involved in the manufacture of medicinal products. It can hardly be acclaimed as an essential addition to every pharmacist's bookshelf.

British Pharmaceutical Codex 1973.

Pharmaceutical Press, 17 Bloomsbury Square, London WC1. 10 x 6½in. Pp. xxxix + 983. £10.50.

Immediately noticeable about this new edition are the larger page size, more legible type-face and arrangement of most of the information into a two-column format.

The revision of the BPC was influenced by the Medicines Act and the European Pharmacopoeia. Standards have been changed where necessary to bring them into line with the EP, though this has required rewording of the pharmacopelial standards in certain cases and placing an interpretation upon those pharmacopelial standards which are ambiguous. The synonyms now include the Latin titles used in the EP, and a new sub-heading "other names" has been added at the end of the monographs. Under this heading and in the index are proprietary and non-proprietary names.

All the BP 1973 substances have monographs except alprenolol hydrochloride—

Continued on p736

High Profits with High Potency Blakoe Vitamin E

Blakoe Vitamin E – attractively packed in convenient counter display outers – provides YOU with a fast selling, high quality product.

	TRADE RETAIL			
Blakoe Vitamin E (High Potency)	100 mg	100 tabs	70p	£1.10
Blakoe Vitamin E (Higher Potency)	200 mg	50 tabs	70p	£1.10
Blakoe Vitamin E (Higher Potency)	200 mg	50 caps	70p	£1.10
Blakoe Vitamin E (Highest Potency)	600 mg	15 caps	70p	£1.10
		32 caps	£1.43	£2.15



Further information available from



Blakoe Limited,
229 Putney Bridge Road, London SW15

BPC review—continued from p735

the Committee considered there was not enough experience of use to prepare a monograph. Information on stability, incompatibility, storage and sterilisation is given, and a few of the more important drug interactions are mentioned in the monographs. However, the general notices include a list of commoner mechanisms of interaction with examples.

Among the general notices are new sections on the use of medicinal products in pregnancy, and syrup. Examples of monographs added are: carbinoxolone sodium, cephalexin, fefluramine hydrochloride, levodopa, practolol and salbutamol sulphate.

The formulary section incorporates a discussion on factors affecting the efficacy and safety of medicinal products, and there is a new sub-section for aerosol inhalations. Diamorphine and cocaine elixir has been introduced with a standard formula capable of adjustment to the needs of the patient, and aminobenzoic acid lotion has been added for the protection of the skin of light-sensitive people. The requirement that multiple-dose eye drops should be labelled so that they should not be used for more than one month after first opening has been abandoned, due to patients misinterpreting the directions and discontinuing treatment. Mixtures are now required to be prepared with water of low bacterial content—generally potable water, as defined in the introduction to the Formulary, and most formulas include a preservative, eg, chloroform. Peppermint oil, if required, is added in the form of a concentrated emulsion. General standards for pessaries and suppositories have been added.

The information provided in the appendices has been greatly extended—ultraviolet absorption spectra details for identification purposes have been collected together. The quantitative tests for arsenic and lead have been re-arranged and one appendix is an interpretation of the *European Pharmacopoeia* test for sterility designed to make the test applicable to surgical dressings and non-absorbable sutures.

Gauge numbers for surgical ligatures and sutures have been omitted, but the metric size designations have been retained. A test for colour fastness has been introduced for surgical dressings. The information on immunological products has been revised and the monographs rearranged. Precautions to minimise the risk of transmitting serum hepatitis with preparations of human blood have been strengthened. Useful information on the preparation of idoxuridine solutions for injection, reducing breakdown to an acceptable level, has been added to the drug's monograph.

It is obvious that a lot of work has gone into the preparation of the edition, and the committee are to be congratulated on the results of this industry. Although certain information could perhaps be extended further, eg on drug interactions, the book as a whole is easier to read and of a more convenient size than its predecessors. The two-column layout can be difficult to follow at first, but the clear headings make sure that there is no confusion between the monographs. All in all, a book worthy of its place on the dispensing counter. It comes into force on December 1, 1973.

Market News

Dearer chemicals

London, May 30: Several pharmaceutical chemicals have been advanced in price. Dearer per kg are benzocaine (by £0.20), sulphacetamide sodium (£0.36), quinidine sulphate (£5.25), quinine sulphate (£2.25) and other salts of quinine by varying amounts. Rises per metric ton have also occurred in calamine (up £3.70), salicylamide (£70) and light calcium carbonate (£10).

Crude drug prices were mostly repeated in the absence of buying interest heightened by the spring holiday.

In essential oils lemongrass rose £0.15 kg to £2.50 in the cif position and Brazilian peppermint by £0.05 to £1.70.

Olive oil was slightly easier on spot at £575 metric ton as Spain was again issuing export licences. However, a meeting of the International Olive Oil Council in Madrid last week estimated that the oil crop for 1972-73 would only reach 1,389,000 metric tons against 1,532,000 tons in the previous year. The decline is largely due to estimates from Italy, whose crop is put 365,000 tons against 615,700 tons. Spain and Greece are expected to produce more than in the previous year, but not sufficient to make up for Italy's shortfall.

Pharmaceutical chemicals

Benzocaine: 50-kg lots £1.68 kg.

Calamine: BP £300.70 per 1,000 kg for 250-kg lots.

Calcium carbonate: BP light £58.00 metric ton.

Physostigmine: 100-g lots salicylate £0.69 per g; sulphate £0.88 g.

Pilocarpine: 1-kg lots hydrochloride £95; nitrate £88.

Piperazine: (Under 50 kg) adipate £9.963 kg; citrate £0.921; hexahydrate £0.663; phosphate £0.021.

Potassium and tartrate: BPC £453 per metric ton.

Potassium citrate: £353 per metric ton.

Quinidine: Alkaloid (10-kg lots) £54.20 kg; sulphate £52.75.

Quinine: (Per kg in 85-kg lots) alkaloid £37.75; bisulphate £30; dihydrochloride £36.75; hydrochloride £36; sulphate £32.25; hydrobromide (10-kg) £36.90.

Salicylamide: (Per metric ton) 5-ton lots £770; 1-ton £780, £710.

Sulphacetamide: Sodium BP £3.34 kg for 50-kg lots.

Crude drugs

Aconite: Spot £1,250 metric ton; £1,200, cif.

Agar: (1b) Nominally £3.50 kg.

Aloes: (metric ton) Cape £480 spot; shipment withdrawn. Curacao £700; £635, cif.

Balsams (kg) Canada £4.50 nominal; shipment £4.35, cif. **Cobalat:** BPC £1.20 Para, £0.90. Peru: £2.05; £1.95, cif. **Tolu:** BP £1.70, spot.

Belladonna: (metric ton) leaves £320 spot; £315 cif. **Herb** £270; £225, cif. **Root**, £410 spot; £390 cif nominal.

Benzoin: BPC £49-£55 cwt spot; £48-£54, cif.

Buchu: Spot, old crop £2.20 kg; new crop £2.00, cif.

Camphor: Formosan BP £1.86 kg, cif.

Cardamoms: (Per lb cif) Alleppy greens No. 1 £1.30; prime seeds £1.30.

Cascara: £460 metric ton, cif, July-Aug.

Cassia: Lignea, whole £1.200 metric ton, cif.

Cherry bark: Shipment £425 metric ton, cif.

Chillies: Zanzibar £600 ton spot; Nigerian £375, cif.

Cinnamon bark: Seychelles £435 ton, cif.

Cinnamon quills: four O's £0.25 lb; quillings £0.19 lb, cif.

Cloves: (cif) Madagascar £1,620 ton; Ceylon £1,792; Zanzibar £1,780.

Cochineal: Tenerife black-brilliant £7.10 kg spot; £7.00, cif; silver grey £6.65, cif. Peruvian £6.00, cif.

Cocillana: Spot £700 metric ton.

Colocynth pulp: Spot £720 metric ton.

Dandelion: Root £550 metric ton spot; £530, cif.

Gentian: Root £565 metric ton spot; £545, cif.

Ginger: (ton cif) Cochin, May-June £310. Nigerian split £390; peeled nominal. Jamaican £870. Sierra Leone £460.

Gums: Acacia nominal. Karaya No. 2 faq £23 cwt. Tragacanth: Nominal.

Henbane: Niger £1,500 metric ton, cif.

Honey: (per ton in 6-cwt drums ex-warehouse) Australian light amber £446.50, medium £436.50. Canadian £470. Chinese light amber £430.

Hydrastis: Spot £3.30 lb; £3.15 cif.

Jalap: Mexican tubers £1,500 metric ton.

Kola nuts: West African halves £110; shipment £95 metric ton, cif.

Lanolin: Anhydrous BP minimum 1,000 kg £375 to £415; cosmetic grade £430.

Lemon peel: Spot £610 metric ton; £590, cif.

Liquorice root: (metric ton) Chinese £120 spot; £85, cif. Russian £120 spot, £80, cif.

Lobelia: American herb £775 metric ton spot; £750, cif.

Lycopodium: Indian £4.75 kg; Canadian £5.10 kg.

Mace: Grenada No. 1 £1,960 long ton.

Menthol: (kg) Chinese spot £6.50; shipment £6.30, cif. Brazilian spot £4.00; £3.85, cif.

Nutmeg: (per ton, fob) West Indian defectives £840, sound unsorted £896, 110's £1,008, 80's £1,120.

Nux vomica: £120 metric ton landed; £95, cif.

Pepper: (ton) Sarawak black £440; £410, cif. White £640; £600, cif.

Pimento: Jamaican £830 long ton, cif, nominal.

Popophyllum: Emodi (metric ton) £340; £320, cif.

Quillala: £900 metric ton nominal.

Rhubarb: From £0.30 to £1.50 lb.

Saffron: Mancha superior £84 kg.

Sarsaparilla: Spot: £1.40 kg; £1.25 cif.

Seeds: (ton) Anise: China star £175 duty paid; shipment £135 cif. **Caraway:** Dutch £1,500 metric ton, cif. **Celery:** Indian £320, shipment £250, cif.

Coriander: Moroccan £105, cif. **Cumin:** Indian, £320, cif. Chinese £300 metric ton, cif. **Dill:** Indian, for shipment £185, cif. **Fenugreek:** Moroccan £116, cif. **Mustard:** £60-£180 spot.

Senega: Canadian £1.90 lb spot nominal.

Senna: Alexandrian h/p £180 metric ton; manufacturing nominal.

Squill: White spot £340 metric ton nominal.

Styrax: £2.30 lb spot; £2.25, cif.

Tonquin beans: Spot £870 metric ton.

Turmeric: Madras finger £310 ton, cif.

Waxes (ton) Bees: nominal. **Candellilla:** £570 on spot; £545, cif. **Carnauba:** prime yellow, spot £725; £675, cif; fatty grey £420; £375, cif.

Valerian: (metric ton) Indian £325 spot; £3.05, cif.

Witchhazel leaves: Spot £800 metric ton nominal.

The prices given are those obtained by importers or manufacturers for bulk quantities and do not include value added tax.

Coming events

Thursday, June 7

Manchester, Salford Branch, National Pharmaceutical Union, Boyd House, Manchester, at 8 pm. Annual meeting and discussion on "Your VAT problems explained".

Friday, June 8

Bedfordshire Branch, Pharmaceutical Society, Barns Restaurant, Knebworth House, Bedford, at 7.45 pm. A banquet to celebrate the Branch Golden Jubilee. Ticket £5.50 from Mr M. P. Stainton, 136 St Neots Road, Sandy, Beds.

Sunday, June 10

Border Region Conference, King's Head Hotel, Richmond, at 10 am, "Pharmacy and the reorganisation of the Health Service".

Speakers: Mr W. A. Beanland, chairman, Pharmaceutical Society's general practice sub-committee, and Mr E. Fawcitt, deputy chief pharmacist, Department of Health.

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Hospital appointments

NORTHERN IRELAND HOSPITALS AUTHORITY SOUTH BELFAST HOSPITAL MANAGEMENT COMMITTEE AREA PHARMACIST

Applications are invited for the above post which has been created by the recommendations of the Report of the Working Party in the Hospital Pharmaceutical Services (Noel Hall Report), and the reorganisation of the Hospital and Health Services on 1 October, 1973.

Applicants must be registered Pharmacists with a university degree in pharmacy or in a closely allied discipline. They must have wide pharmaceutical and managerial experience and an extensive knowledge of the hospital pharmaceutical services.

The person appointed will be based at the Belfast City Hospital and pending the reorganisation will be responsible for the Hospital Pharmaceutical Services under the management of the South Belfast Hospital Management Committee. Subsequently on 1 October, 1973, this officer will be transferred to the Eastern Health and Social Services Board and will then have an overall responsibility to the Board, for the Hospital Pharmaceutical Services in that area.

The person appointed will in addition be required to undertake the development of certain regional and subregional functions, such as information and quality control services and to promote pharmaceutical research. He will also have certain responsibilities for the training of pre-registration pharmaceutical students employed in the hospital services.

For these purposes the officer will require to work in close association with the Department of Pharmacy, Queen's University, Belfast.

Salary £4,590—£5,238 per annum.

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Application forms and further particulars may be obtained from the Secretary, Northern Ireland Hospitals Authority, 25 Adelaide Street, Belfast, BT2 8FG, for return by 23rd June, 1973.

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required at the following Hospitals: St. Woolos Hospital, Newport, Mon. (316 beds); Pontypool and District Hospital, Pontypool, Mon. (118 beds). SALARY: £1,689-£2,100 in each case.

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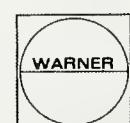
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